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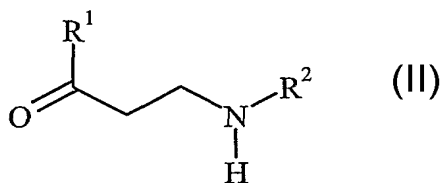
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(54) Title: PROCESS FOR THE PREPARATION OF ENANTIOMERICALLY PURE 1-SUBSTITUTED-3-AMINOALCOHOLS



(57) Abstract: Provided is a process for the preparation of enantiomerically pure 1-substituted-3-aminoalcohols, particularly of (S)-(-) and (R)-(+)-3-*N*-methyldamino-1-(2-thienyl)-1-propanol, by asymmetrically hydrogenating salts of a carboxylic acids with an aminoketone of formula (II), wherein R¹ is selected from the group consisting of 2-thienyl, 2-furanyl and phenyl, each optionally substituted with one or more halogen atoms and/or one or more C₁₋₄-alkoxy groups, and wherein R² is C₁₋₄-alkyl or phenyl, each optionally substituted with one or more halogen atoms and/or one or more C₁₋₄-alkyl or C₁₋₄-alkoxy groups, and wherein

the corresponding aminoalcohols are obtained by subsequent hydrolysis of their salts. Furthermore provided are salts of a carboxylic acid with said aminoketones and the aminoalcohols obtained by asymmetrically hydrogenating said aminoketones, respectively.



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